9-12-05

PTO/SB/21 (04-04) Approved for use through 07/31/2006, OMB 0651-0031

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TRANSMITTAL **FORM**

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Alexandria, VA 22313-1450 on the date shown below.

H. Keith Mil

Typed or printed name

Total Number of Pages in This Submission

Application Number	10/603,971	
Filing Date	June 25, 2003	
First Named Inventor	Takayuki Hayashi et al	
Art Unit	3743	
Examiner Name	Terrell McKinnon	
Attorney Docket Number	4041K-000138	

	ENCLOSURES (check all that apply)					
Fee Transmittal F	om	☐ Drawing(s)			er Allowance Communication to chnology Center (TC)	
☑ Fee Attached	ı	Licensing-r	elated Papers		peal Communication to Board of peals and Interferences	
Amendment / Rep	ply	Petition			peal Communication to TC ppeal Notice, Brief, Reply Brief)	
After Final		Petition to Provisional	Convert to a Application	☐ Pro	oprietary Information	
Affidavits/dec	laration(s)		ttorney, Revocation Correspondence Address	Sta	atus Letter	
Extension of Time	e Request	Terminal D	isclaimer		her Enclosure(s) ease identify below):	
Express Abandonment Request		Request for Refund CD, Number of CD(s)		copies of cited references and German Office action dated July 8, 2005 with English translation		
☐ Information Disclosure Statement		-				
Certified Copy of Document(s)	Priority	Remarks The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.				
Response to Miss Incomplete Applic				·	.,	
Response to Parts under 3 1.52 or 1.53						
	SIGNA	TURE OF APP	LICANT, ATTORNEY, OF	R AGEN	IT.	
Firm or Individual name	Harness, Dickey & Pierce, P.L.C.		Attorney Name H. Keith Miller, Esq.		Reg. No. 22,484	
Signature	D HAM					
Date	September 9, 2005					
	CERTIFICATE OF TRANSMISSION/MAILING					

Express Mail Label No. Signature Date September 9, 2005 This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering. preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450,

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 717 345 089 US

PE IAA	· \	f 1995, no persons are required t	U.S. Pate to respond to a collection	PTO/SB/17 (12-04v2) Approved for use through 07/31/2006. OMB 0651-0032 nt and Trademark Office: U.S. DEPARTMENT OF COMMERCE n of information unless it displays a valid OMB control number.
SEP 09 200	Effective on 12/0		L	Complete if Known
	<i>§</i> /		Application Number	10/603,971
AMENT & TRUE	FEE TRANSMITTAL		Filing Date	June 25, 2003
	for FY 2	2005	First Named Inventor	Takayuki Hayashi et al
	☐ Applicant claims small entity st	atus. See 37 CFR 1.27	Examiner Name	Terrell McKinnon
			Art Unit	3743
• '	TOTAL AMOUNT OF PAYMENT	(\$) \$180.00	Attorney Docket No.	4041K-000138

	1						
METHOD OF PAYMEN	T (check all	that apply)				
☐ Check ☐ Credit Car	☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) :						
Deposit Account Dep	Deposit Account Deposit Account Number: 08-0750 Deposit Account Name: Harness, Dickey & Pierce, P.L.C.						
For the above-ide	entified depo	sit account,	the Director is h	ereby authorized to	: (check all that a	pply)	
Charge fee	e(s) indicated	d below		☐ Cha	arge fee(s) indicat	ed below, except	t for the filing fee
Charge an	y additional	fee(s) or und	derpayments of	fee(s) 🔀 Cre	dit any overpaym	ents	
Under 37 WARNING: Information on th Information and authorization		ecome publi	c. Credit card infe	ormation should not	be included on this	s form. Provide cre	edit card
FEE CALCULATION	1 On P 1 O-203	o					_
1. BASIC FILING, SEA	RCH AND	FXAMINA	ATION FEES				
	FILING F			RCH FEES	EXAMIN	ATION FEES	
A		Small Entir		Small Enti		Small Entity	5 D : 1 (0)
Application Type	Fee (\$) 300	<u>Fee(\$)</u> 150	<u>Fee</u> 500	(\$) <u>Fee(\$)</u> 250	Fee(\$)	<u>Fee(\$)</u>	Fees Paid (\$)
Utility Design	200	100	100	250 50	200 130	100 65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	000	0	
2. EXCESS CLAIM FE			Ů	Ū	Ū	-	Small Entity
Fee Description	LO					Fee (\$)	Fee (\$)
Each claim over 20 (inc	luding Reiss	sues)				50	25
Each independent clain	over 3 (incl		sues)			200	100
Multiple dependent clai		· . •	- (6)	E 5 11(4)		360	180
Total Claims	Extra C		<u>Fee(\$)</u>	Fee Paid (\$)			Dependent Claims
-20 or HP=		Χ		<u>0</u>		Fee (\$)	Fee Paid (\$)
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Indep. Claims - 3 or HP=	Extra C		Fee(\$)	Fee Paid (\$)			
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3. APPLICATION SIZE	•	anno para tor,	, ii groater triair o.				
If the specification and d		ed 100 shee	ets of paper (ex	cluding electronical	lly filed sequence	or computer	
listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50							
sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)							
<u>Total Sheets</u>	Extra She					of Fee (\$)	Fee Paid (\$)
= $\underline{0}$ / 50 = $\underline{0}$ (round up to a whole number) x = $\underline{0}$							
4. OTHER FEE(S)	-:@i @	120 for (c)					Fees Paid (\$)
Non-English Spe Other (e.g., late f			smail entity dis	count)			<u></u>
Other (e.g., rate i	ining surchar	ge): IDS			· · · · · · · · · · · · · · · · · · ·		<u>\$180</u>
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SUBMITTED BY	A cel u			
Signature		Registration No. (Attorney/Agent) 22,484	Telephone	248-641-1600
Name (Print/Type)	H. Keith Miller, Esq.		Date	September 9, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/603,971

Filing Date:

June 25, 2003

Applicant:

Takayuki Hayashi et al

Group Art Unit:

3743

Examiner:

Terrell McKinnon

Title:

Exhaust Heat Exchanger

Attorney Docket:

4041K-000138

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

Serial No.: 10/603,971

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	B. Any patents, publications or other infor 1449 or on the copies of PTO-892, but which previously cited by or submitted to the PTO in which has been relied upon for an earlier filing or	are not enclosed herewith, were one of the following applications
	U.S. Serial Number	U.S. Filing Date
	C. This is a PCT application in the entry of	the National Phase in the United
	States. A copy of the International Search Repinformation. The documents listed on the Internation on the attached Form 1449 for consideration be any patent resulting from this application. If the from the US, EPO, or JPO search authorities, have been supplied to the USPTO under the believed to be in the file of the above-identified.	ernational Search report are listed by the Examiner and for listing on e International Search report was copies of these references should the trilateral agreement and are
III.	CONCISE EXPLANATION OF THE RELEVANO	CE (check <u>at least</u> one box)
	A. Except as may be indicated below in (B) other information are in the English language (continuous).	
	B. A concise explanation of the relevance of information listed that is not in the English lang § 1.98(a)(3)):	
	1. See the attached foreign patern counterpart foreign application: Office German Application No. 103 28 846.5 wi	e Action dated July 8, 2005 in
	2. English translations are provided:	
	3. Cother:	
	C. The following additional information consideration.	is provided for the Examiner's

Serial No.: 10/603,971 Page 2 of 5

IV.	CROSS REFERENCE	TO RELATED APPLICA	ATION(S)
	contain(s) subject mat bringing this(these) ap	tter that may be relate	ollowing co-pending application(s) d to the present application. By niner's attention, Applicant(s) does 35 U.S.C. § 122.
	Serial No.	Filing Date	Art Unit
V.	THIS IDS IS BEING FI	LED UNDER	
	A. 37 C.F.R. § 1.97	(b): (check <u>only</u> one box	()
	than a continue	•	late of a national application other on under § 1.53(d) (37 C.F.R. § uired.
		in an international applic	f entry of the national stage as sec cation (37 C.F.R. § 1.97(b)(2)). No
	1.97(b)(3)). No Office Action or under 37 C.F.R 1.97(e) below; o	fee or certification is real the merits has been as 1.97(c) and see the cor, if no certification has	Action on the merits (37 C.F.R. § required. In the event that a first issued, please consider this IDS ie certification under 37 C.F.R. § s been made, charge our deposit as required by 37 C.F.R. § 1.17(p)
			Action after the filing of a request .R. § 1.114. No fee or certification
	В. 37 С.F.R. § 1.97 ((c) : (check <u>only</u> one box)
		of Allowance under 37	nal Office Action under 37 C.F.R. § C.F.R. § 1.311, or an action that
	1. No certification No Certification No.		the amount of \$180.00 is required
	2 See the ce	ertification below. No fee	a is required

Serial No.: 10/603,971 Page 3 of 5

C. X 37 C.F.R. § 1.97(d):

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. \boxtimes See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. <u>CERTIFICATION UNDER 37 C.F.R. § 1.97(e):</u> (check <u>only</u> one box)

The undersigned hereby certifies that:

- A. \(\sigma\) each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. \(\frac{5}{4}\) 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or
- B. no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
- C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

Serial No.: 10/603,971 Page 4 of 5

VIII. PAYMENT OF FEES (check only one box)

- A. X A check in the amount of \$180.00 is enclosed for the above identified fee.
- B. Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

By:

Respectfully submitted,

Dated: September 9, 2005

H. Keith Miller, Esq. Reg. No. 22,484

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

Serial No.: 10/603,971 Page 5 of 5



M HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.	SERIAL NO.
4041K-000138	10/603,971
APPLICANT	
Takayuki Hayashi	
FILING DATE	GROUP
June 25, 2003	3743

U.S. P	U.S. PATENT DOCUMENTS					
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date

.FORE	FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translati Yes	on No
1.		101 02 483	8/2002	Germany			X
2.		2 830 929	11/2002	France			Х
.,,							

OTHE	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)				
Ref. Desig.	Examiner's Initials				
1.		Patent Abstracts of Japan No. 2001-108390 dated 4/20/2001			

Examiner:	Date Considered:		